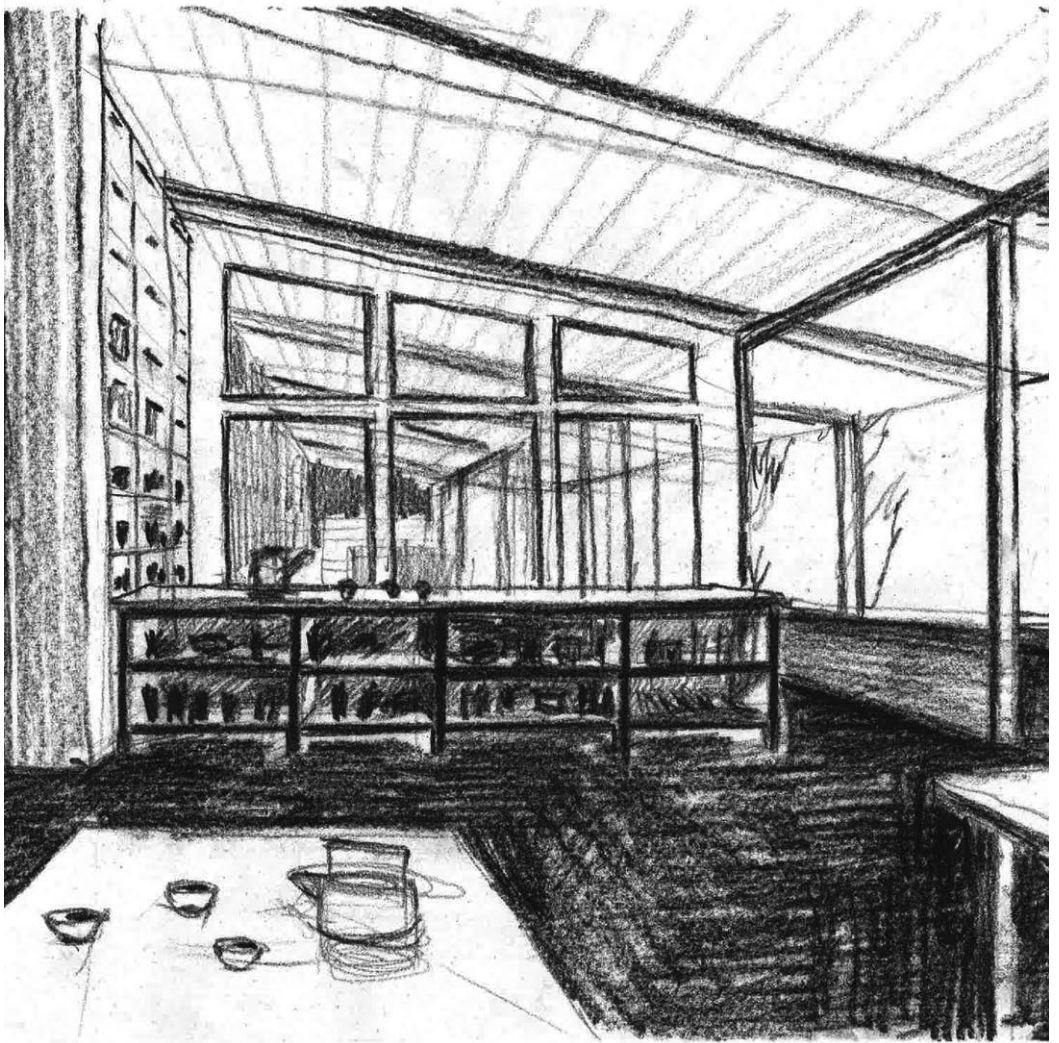




Architecture Portfolio

Dorottya Zachar



Dorottya Zachar

dorottya.zachar@gmail.com

+47 96751339

education

2021 - 2023 Architecture MA

Moholy-Nagy University of Arts and Design,
Budapest

2017 - 2020 Architecture BA

Moholy-Nagy University of Arts and Design,
Budapest

languages

english - C1

hungarian - first language

computer skills

ArchiCad

Adobe Photoshop

Adobe InDesign

Microsoft Office

skills

practice in solving manual tasks

experience with materials and working
with them

architectural model making

organizational skills - coordinated

hand drawing

quick adaptation of new skills

professional development

2023 - 2024

Kazoda Studio - architectural design, modell making

2023

Reimholz Péter - ethical architect diploma award

2022

Reading cabin in the woods, woodworking

Ajka, Hungary

MOME - Studio B

2022

Tamás Nagy - Teaching architect

exhibition concept and building / group work /

2021

AU Workshop - public space architectural competition

2020

A4 Studio - BA internship

2019

Márton Ágh - cad drawings for movie set construction

2019

OREOL - installation for the art festival, Terschelling,

The Netherlands

„Plan B” installation build / MOME - Studio B /

2019

REMPART - Coucy le Château, Coucy, France

Heritage restoration - voluntary work

2018

Mood For Wood - Concrete Hives, Poznan, Poland

public space rehabilitation



Tamás Nagy - Teaching architect, exhibition, 2022

01

Plant Preservation Workshop - Badacsony

02

Afforestation info board - Garabonc

03

Apartment - Budapest

04

University collage - Budapest

05

Intergenerational community - Budapest

06

Cafe furniture - Budapest

07

Wood fire kiln - Gyékényes

Plant preservation workshop

The building of the former SZOT (National Council of Trade Union) restaurant in Badacsony, Hungary, is one of the products of Tibor Farkas's large scale regional urban design for Lake Balaton from the 1950s. However, unlike its contemporaries, this building has been significantly marginalised in spite of its architectural value and the potential of the area.

In my masterwork, I aim to reintegrate the building and its surroundings into the region through an experimental programme, that takes into account and works with the natural features of the site.

The herbs grown in the garden can be utilize to produce natural plant conditioners through fermentation processes, which can be beneficial for the grape-growing region. I have adjusted the existing conditions to accommodate the spatial requirements of the processing mechanism. The grape pomace obtained from growers is an excellent compost material. The local recycling of plants is a key element for long-term sustainable plant cultivation.

The programme is completed by a small-scale accommodation facility for hikers on the Blue Trail (Kéktúra), serving as a stopover for multi-day hikes.

Year : 2023

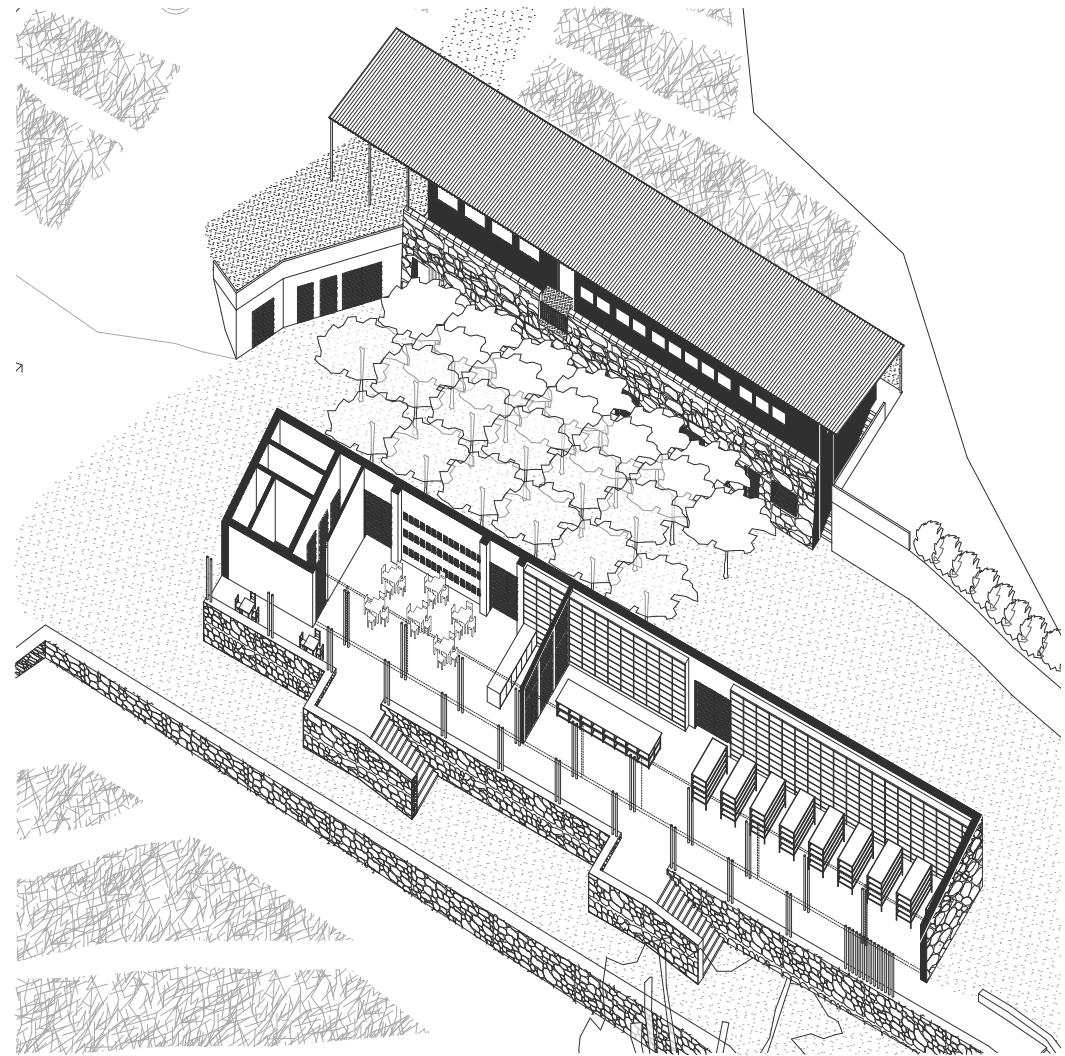
Location: Badacsony, Hungary

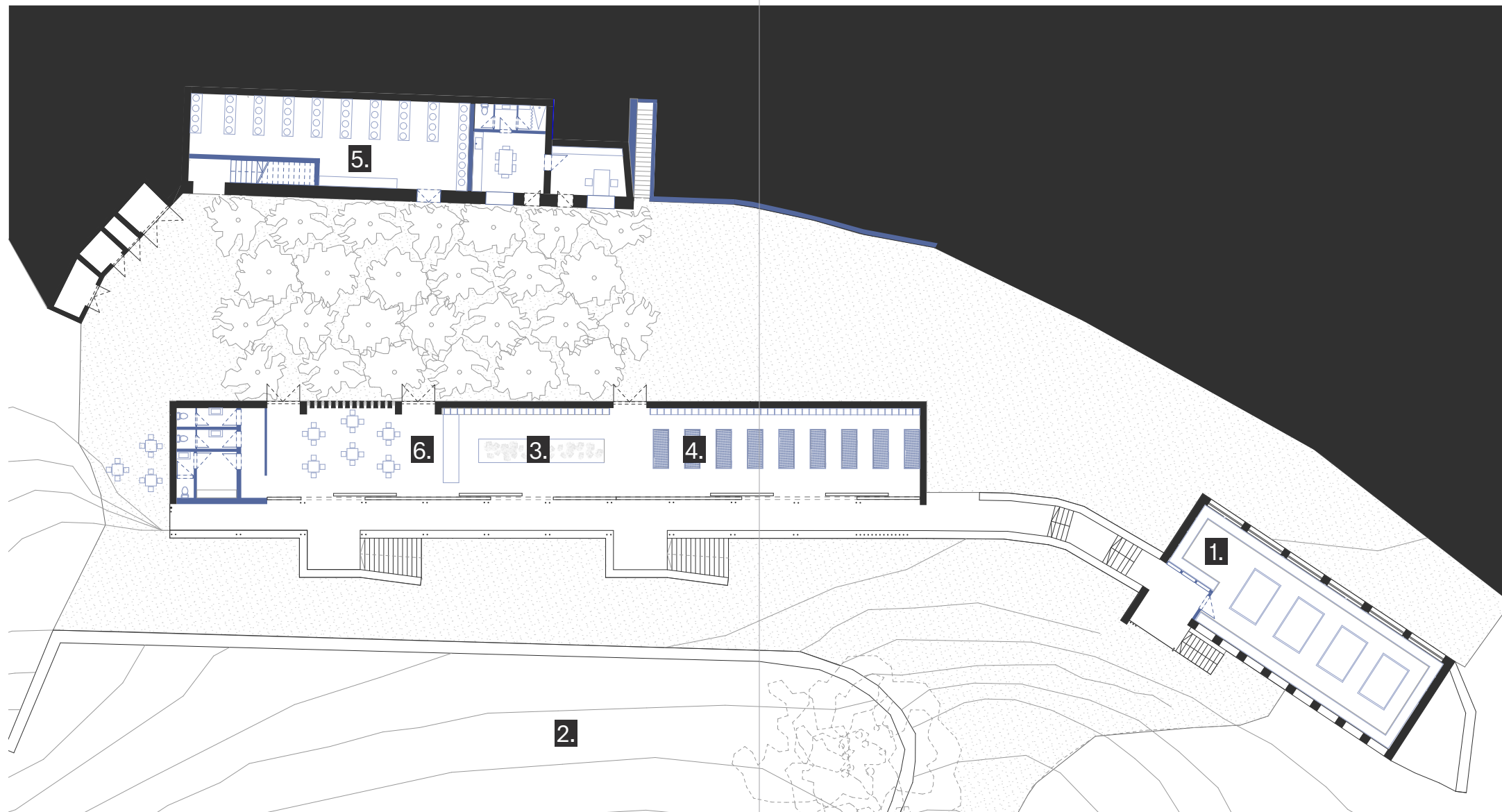
Consultants: Zsófia Csomay, Tamás Bene, architects





1:500 model, oak and walnut





1. Planter greenhouse

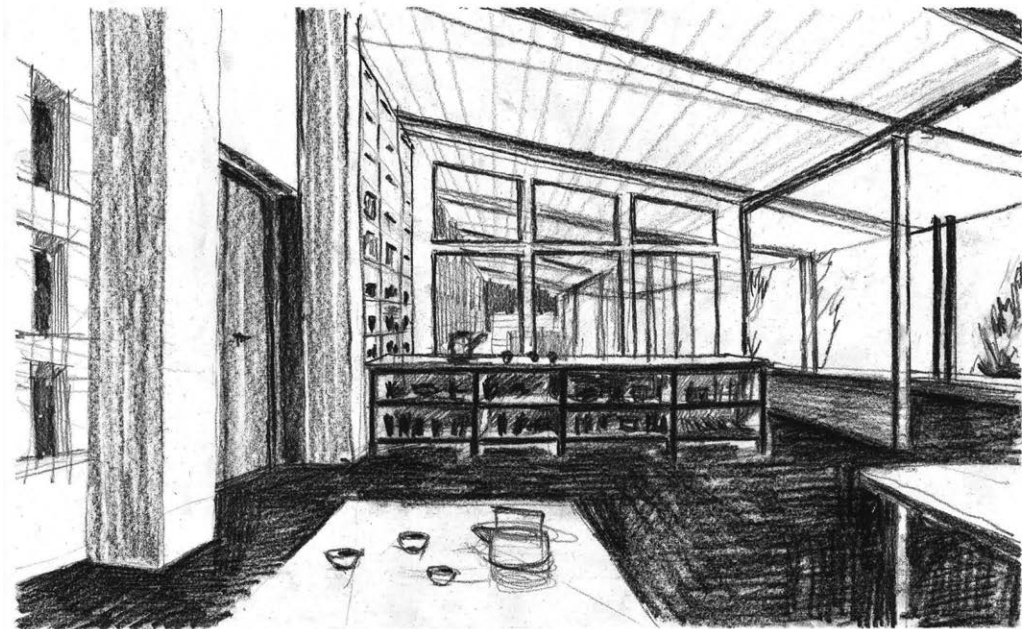
2. Herb plantation

3. Processing fresh plants

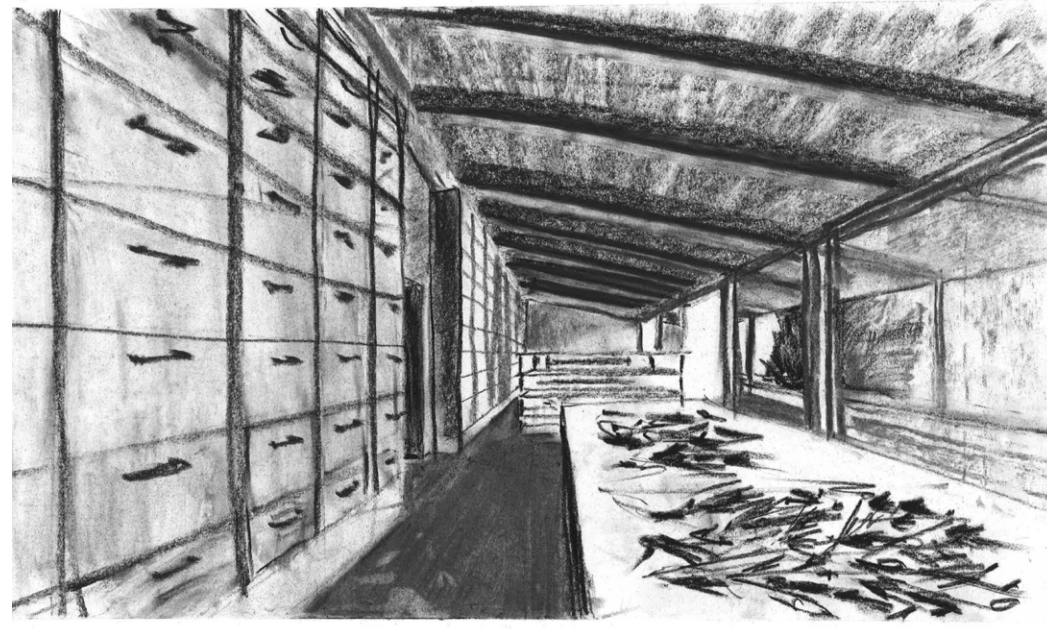
4. Drying racks

5. Fermentation cellar

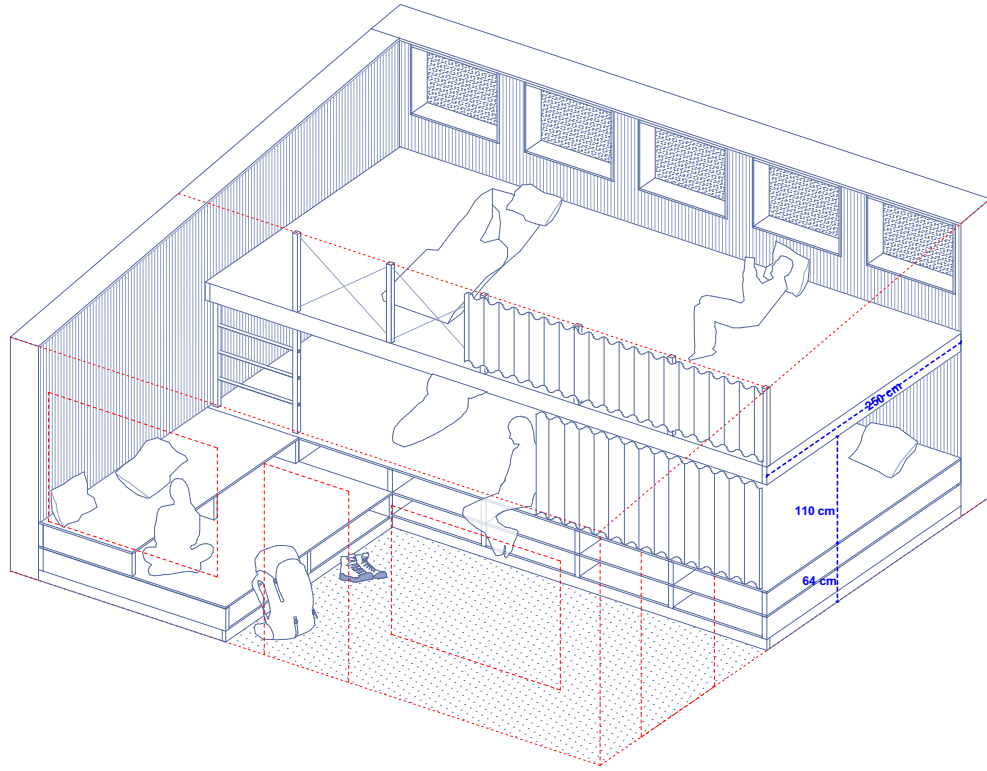
6. Tea house



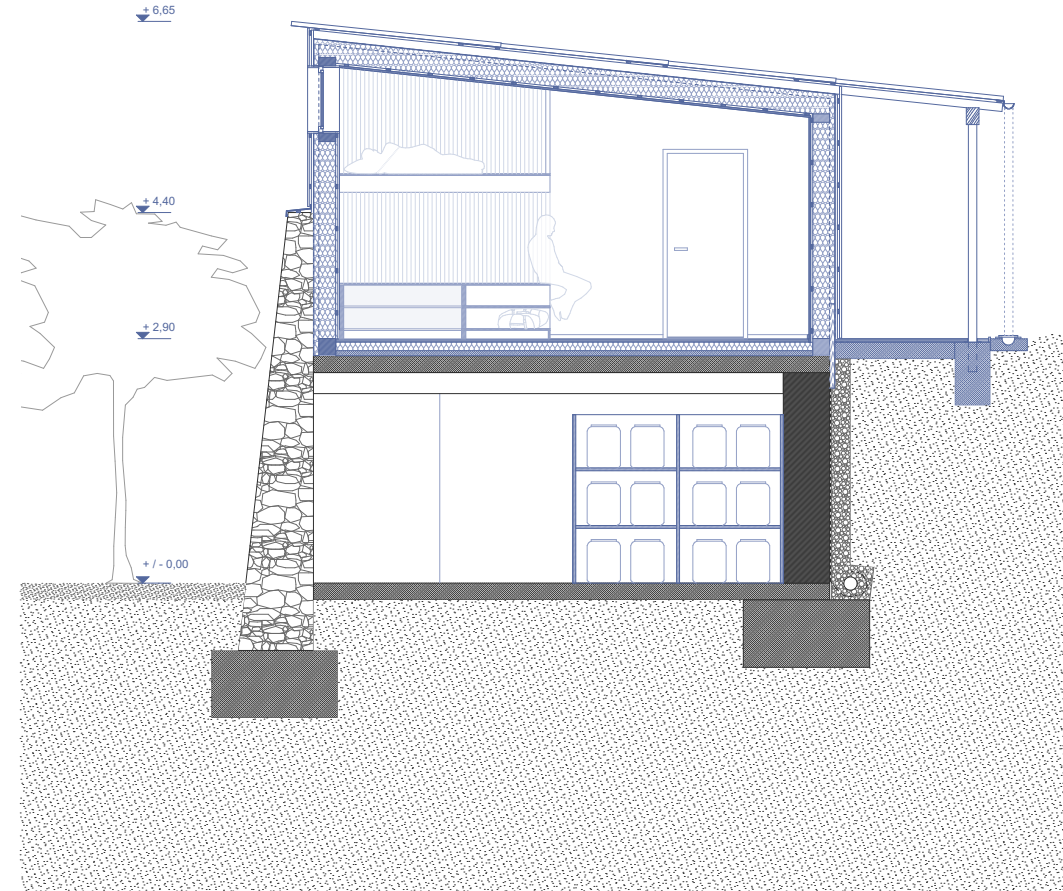
Tea house in the main building



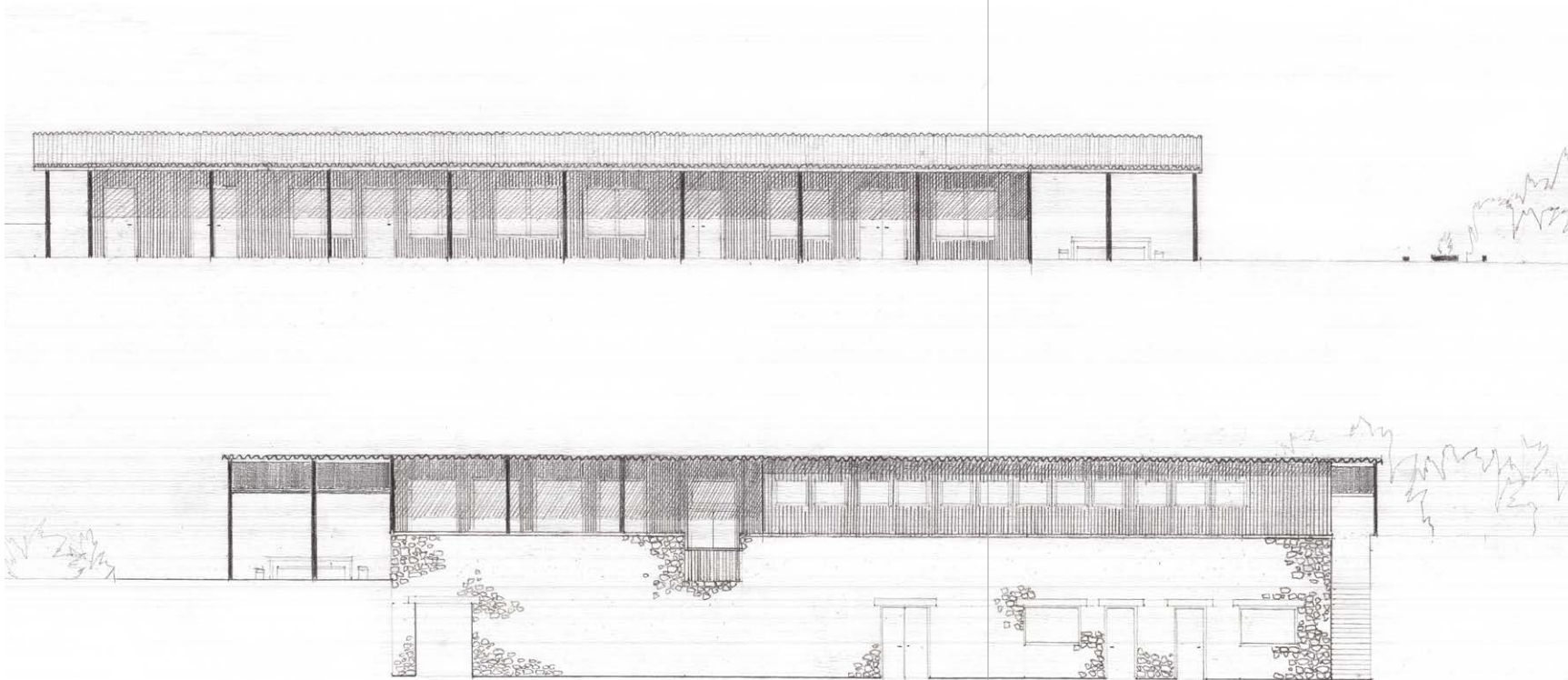
Processing and drying herbs



Hikers sleeping cabin in the new wooden structure



Wooden structure on the original stone walled cellar



Afforestation info board

The board is meant to mark the newest area of the afforestation project of MOME university (MOME Zero) at Garabonc, Hungary. I was commissioned with a former classmate, Imola Pojdin, to design an object that displays information about the planting. Other than that we were given free hand based on form. Our concept includes the object being functional for nature while adding an extra layer for the information.

While the area of the afforestation still consists of overall low vegetation, the birdhouse forecasts the biodiversity of the growing forest.

The board is supported by two ground screws and the body is made of pine wood. The information is written on a laser cut steel plate, treated with linseed oil. The birdhouse is made of outdoor plywood and surrounded by metal rods. The inner structure and the birdhouse are protected by two compact boards.

Besides designing, building the project was also implemented by us. We prepared most parts ahead in the woodworkshop of the university and assembled them at the location.

Year : 2024

Location: Garabonc, Hungary

Design partner: Imola Pojdin, architect





03

Apartment renovation

The interior project of renovating an apartment in an 80 years old building was made in cooperation with Kazoda Studio, Budapest based architect.

The apartment is facing both SE and NW with plenty of light, but the former layout was divided into several small spaces serving the lifestyle of a family from the previous century. The new owner visualized an open plan home with adjustable layout.

Opening the separating walls let the light flow through into the inner areas as well, while the bathroom being a furniture like object in the middle, its walls are hiding a sliding door to grant possibility for the separation of the bedroom. The walls of the bathroom are mostly consisting of storage space for everyday use and we also hid all equipment for the water heating system and ventilation of the apartment into the compartments.

In terms of materials the floor and the outside panelling of the bathroom are both covered with light oak, to create a look of continuity.

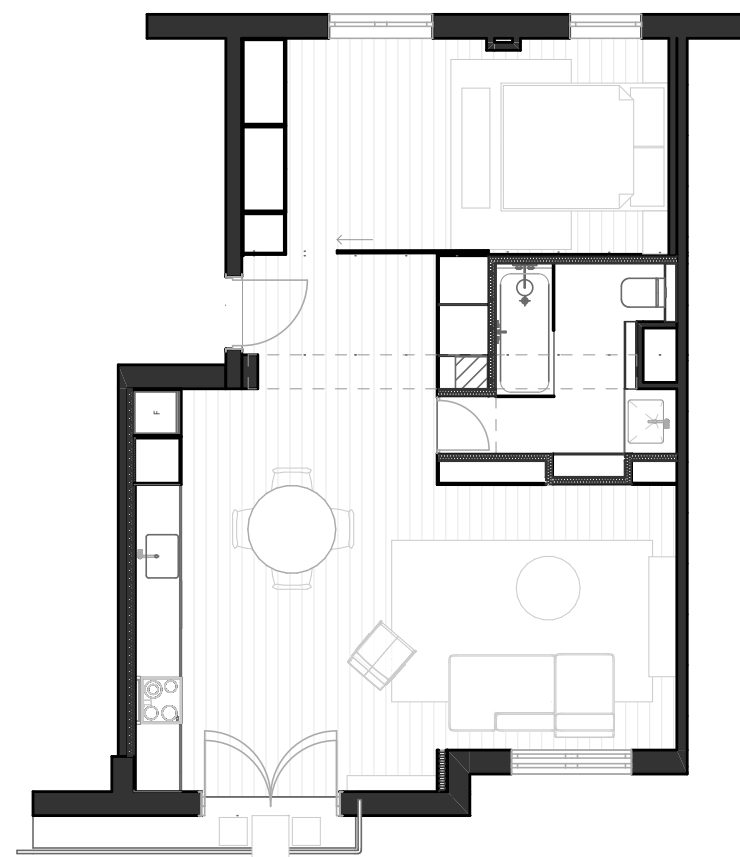
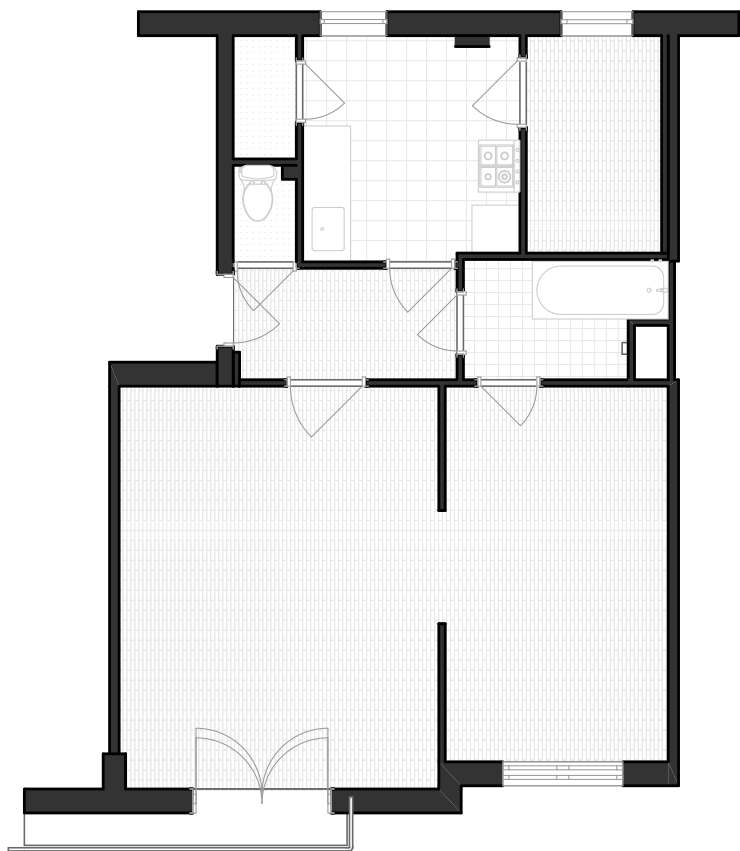
The apartment is now in the late stages of construction.

Year : 2023-24

Location: Budapest, Hungary

Design partner: Zoltán Kalászi, architect



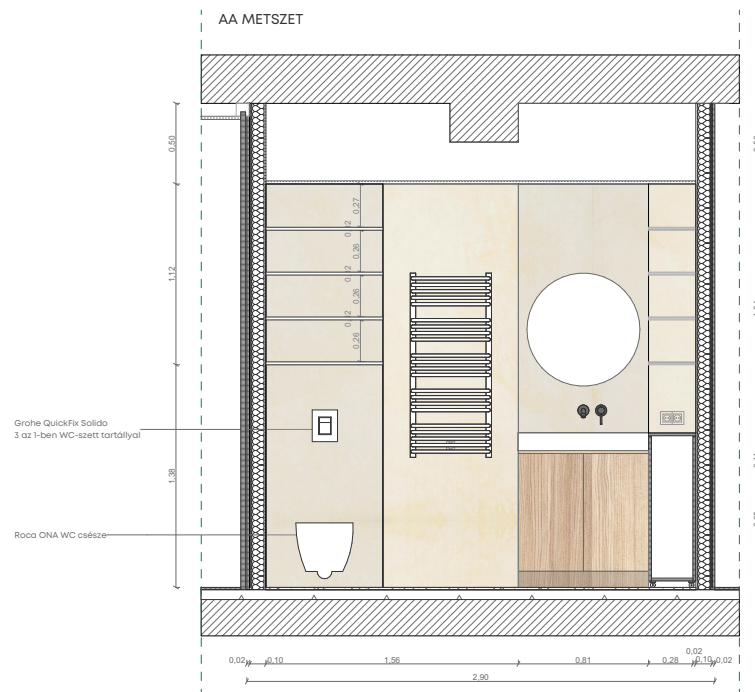




2.



1.



3.

1. View from the entrance before renovation
2. View from the entrance after renovation, visualisation
3. Section of the bathroom



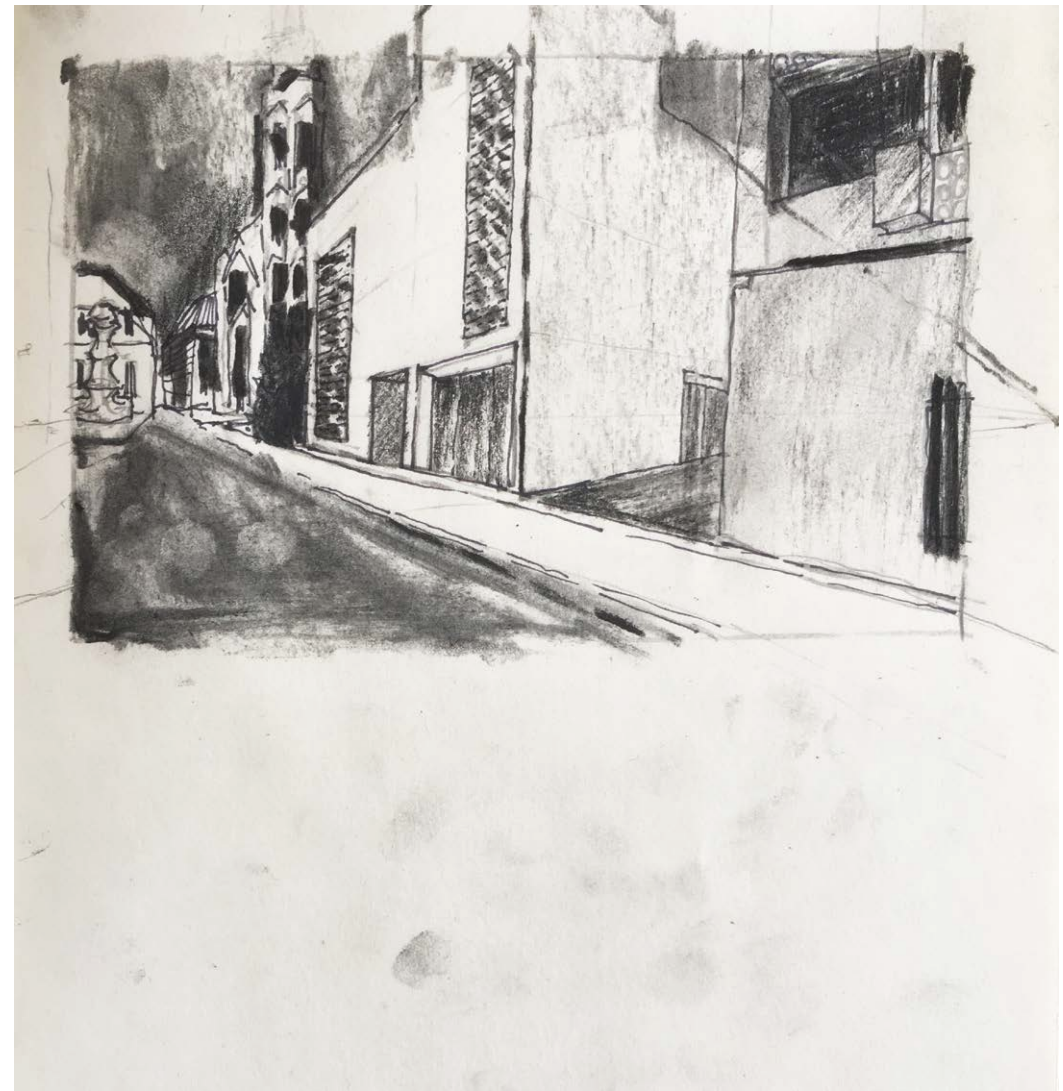
University college

Designing a college for MOME university was the topic of the last semester at the BA diploma. The location was given in the Buda Castle, one of the most touristy area of the city, thus my concept also included functions that initiate connection between the art university students and the tourists.

On the store front of the building there are many different workshop opportunities and also a small shop, where the art pieces can be purchased. There is also a small cafe and a presentation/exhibition room.

From the first floor it is a private area for the students, with each section designed for a different way of college living. Besides the single and double rooms with common areas and kitchen, there are micro apartments designed for young couples, or even small families, who might need affordable accommodation while one or both of them are enrolled in education.

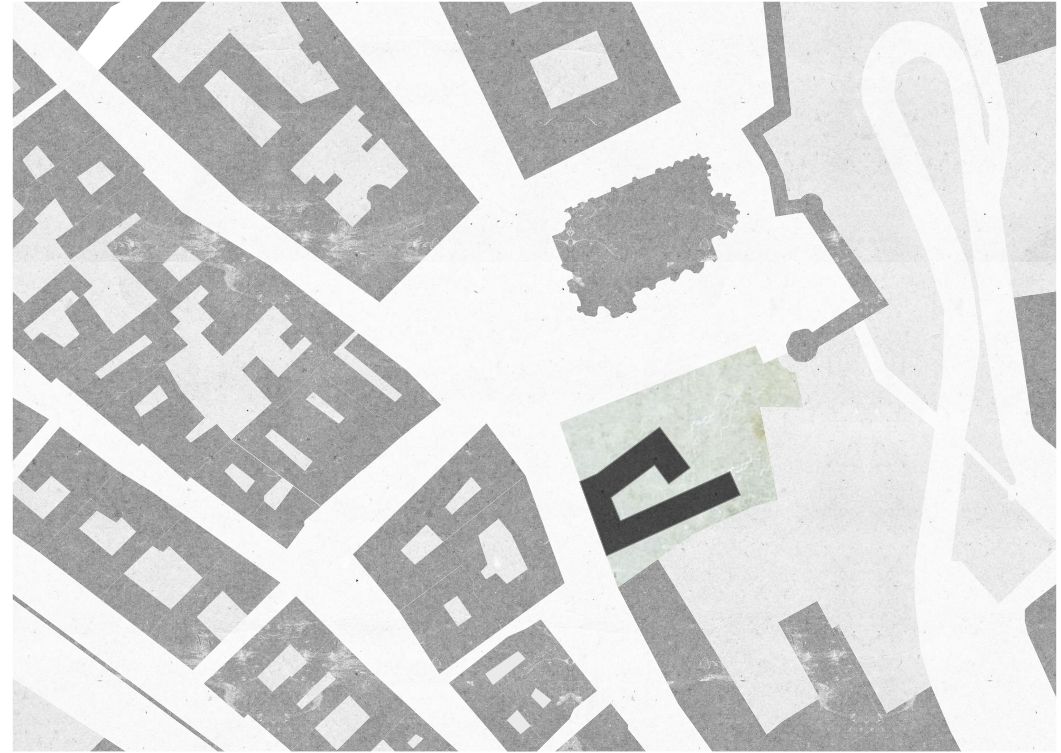
As the location is quite busy, I wanted to make sure, that the college could have an inner yard, hence the shape of the building, with possibilities for visitors and being connection with its surrounding, yet remaining a pleasant yard for the students.

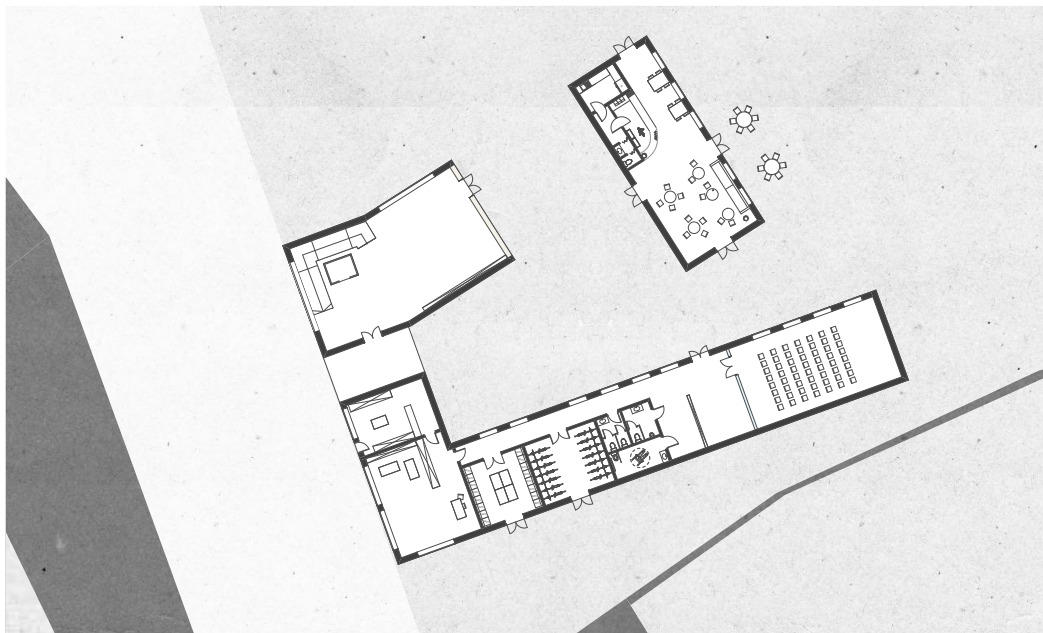


Year : 2020

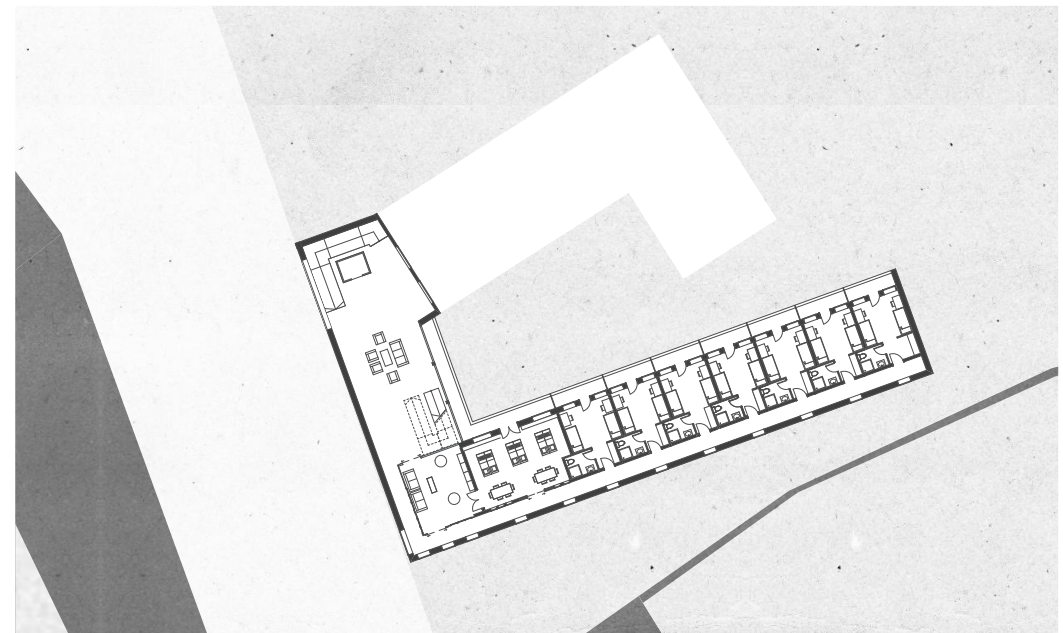
Location: Budapest, Hungary

Consultants: Csaba Kovács, Gergely Barcza, architects

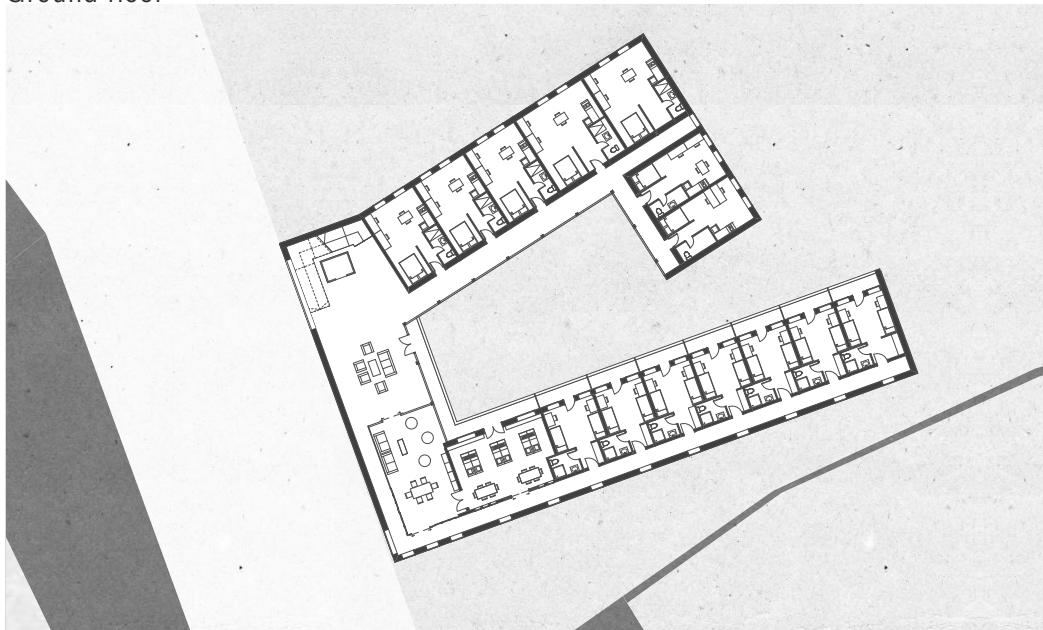




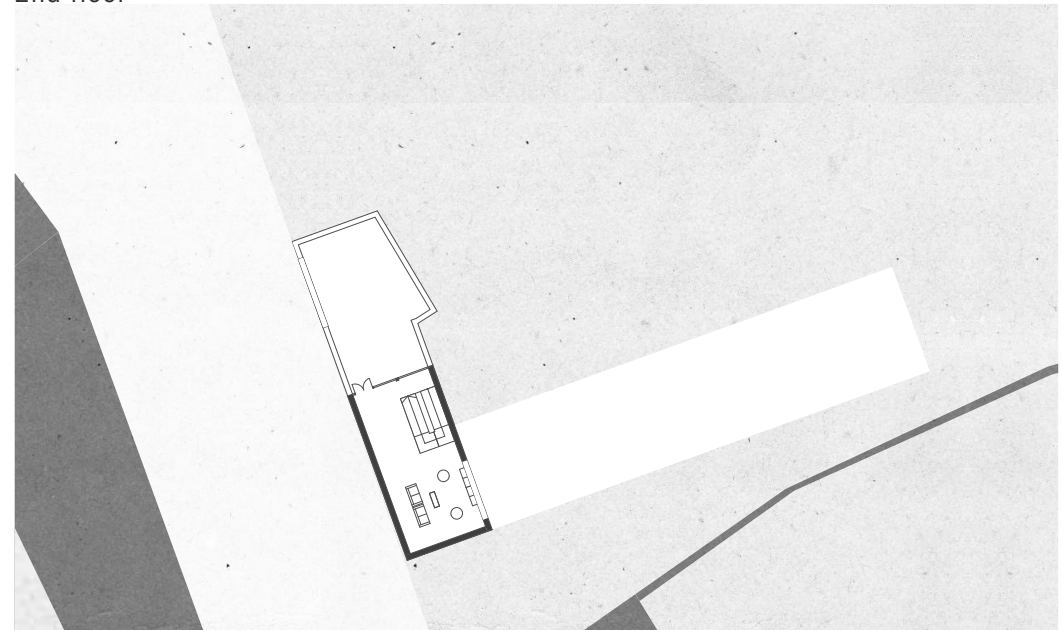
Ground floor



2nd floor



1st floor



3rd floor



Intergenerational community

In the 1st year of the masters degree we were given the task to design a community building for an existing elderly home. The location has two connecting vacant lot. The guideline for the task was that the elderly home is being extended into an intergenerational community, including a kindergarden and a third function, contrived by us. My third function became a music school, as the location is in a district with many families of ethnic minorities with musical background, thus the intergenerational community could fully integrate into its surrounding, and also musical activities can be a connection point between elderly and the children in the kindergarden.

My purpose with the design was to place the three function as a mesh, with them flowing into each other, while still having separated private areas for each function. Also them having several yarded areas.

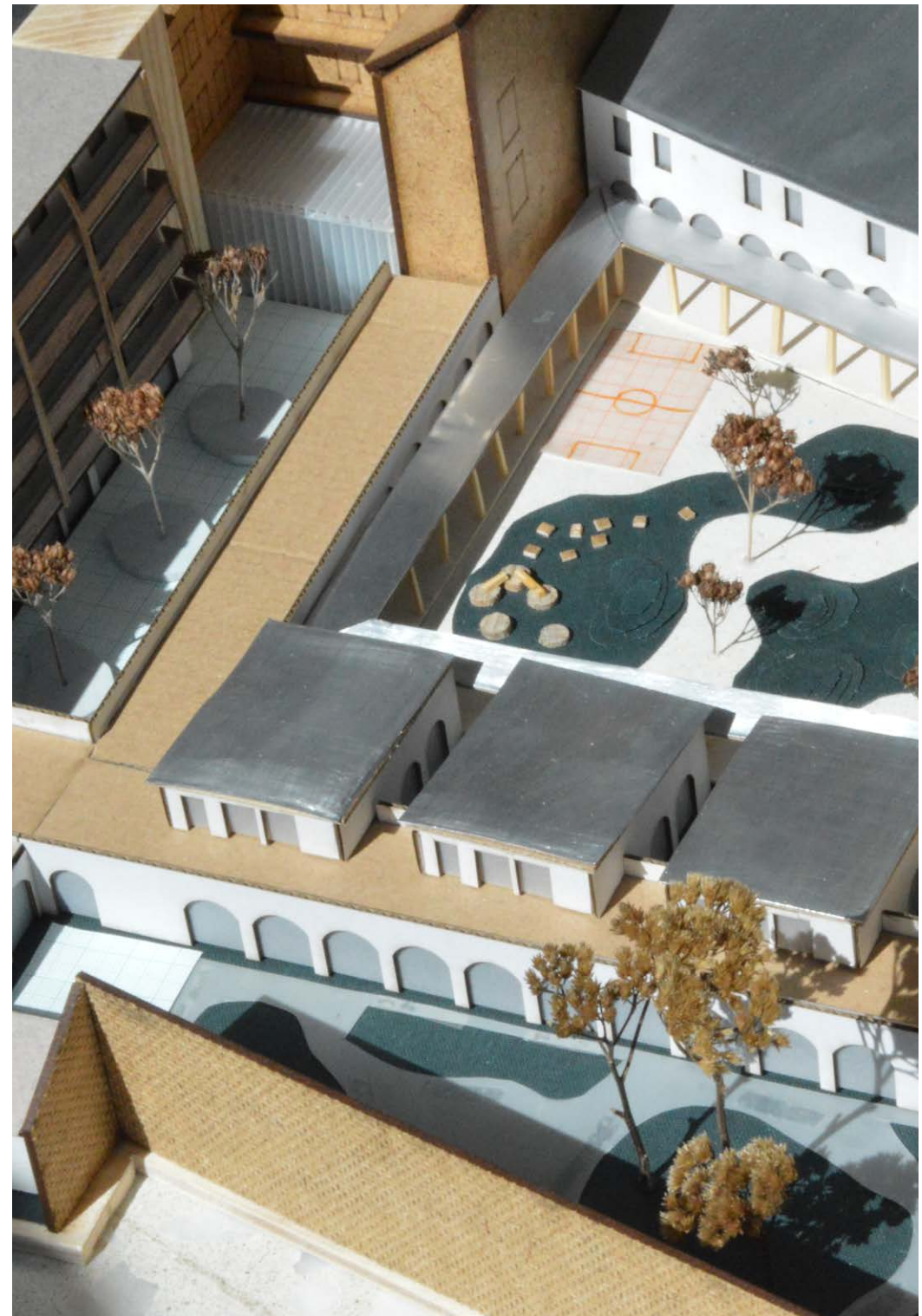
In the elderly home I designed several different way of living, based on their conditions, desire for private space, and them moving in alone, or with their spouses.

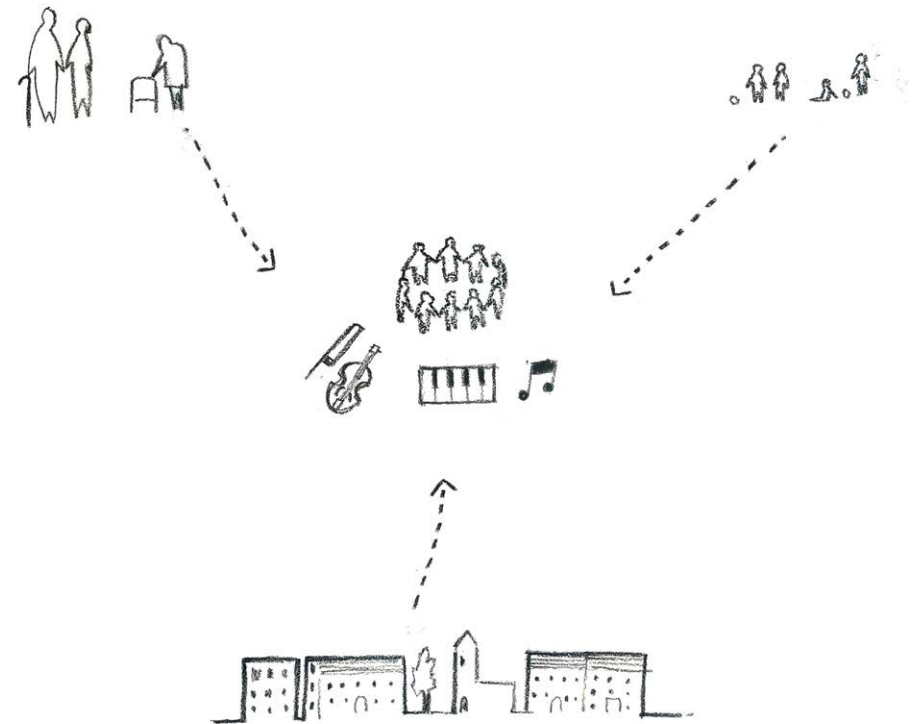
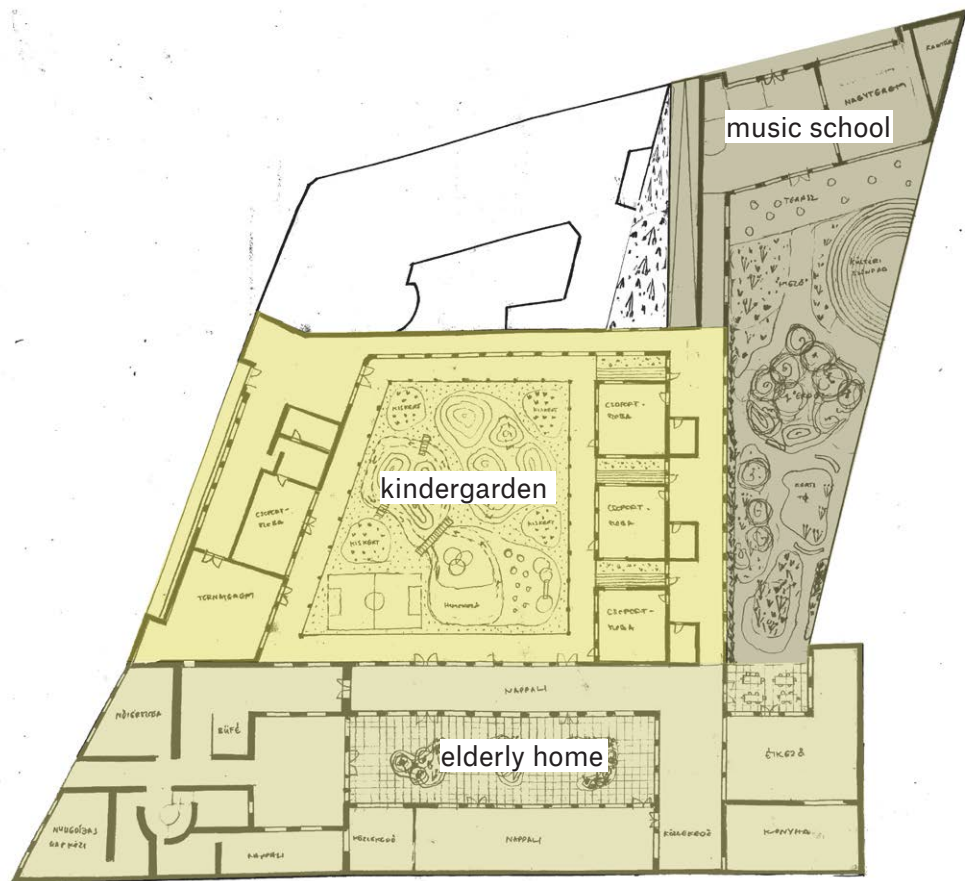
With the kindergarden one of my top priority was to have a proper connection to a yard, as the location is in the densely built area of the city, most of the children live in apartments, and are lacking time spent outside.

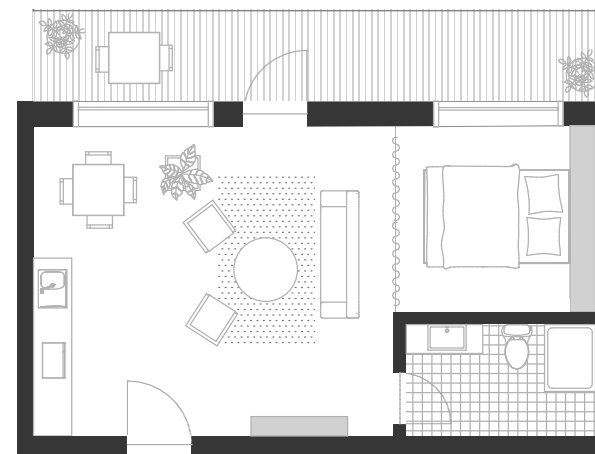
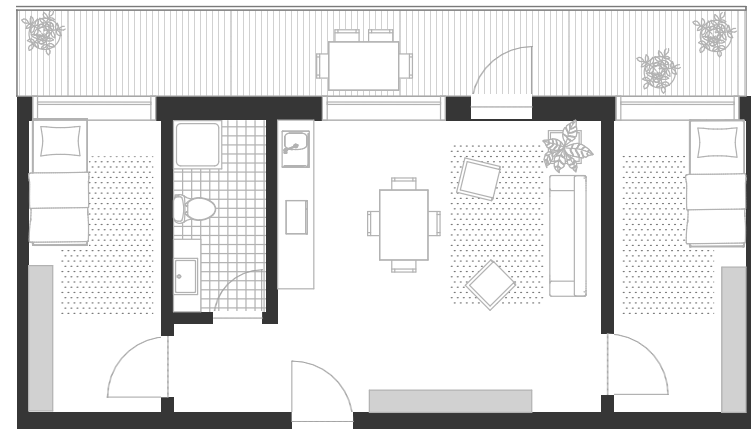
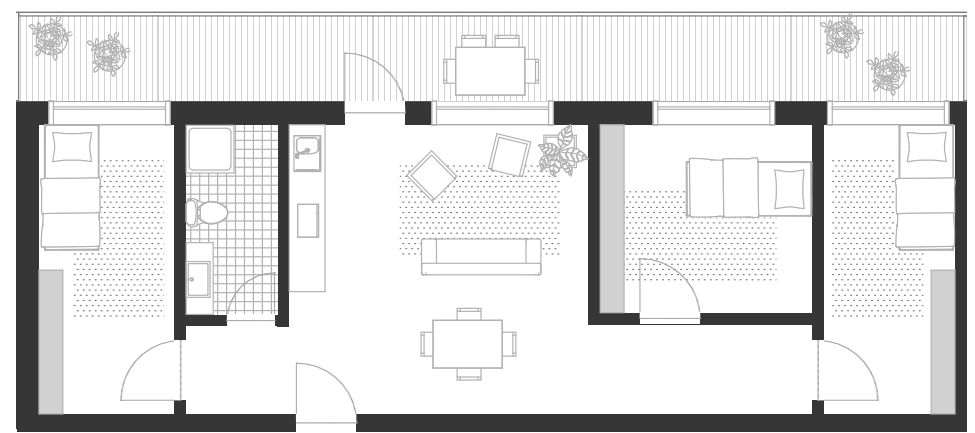
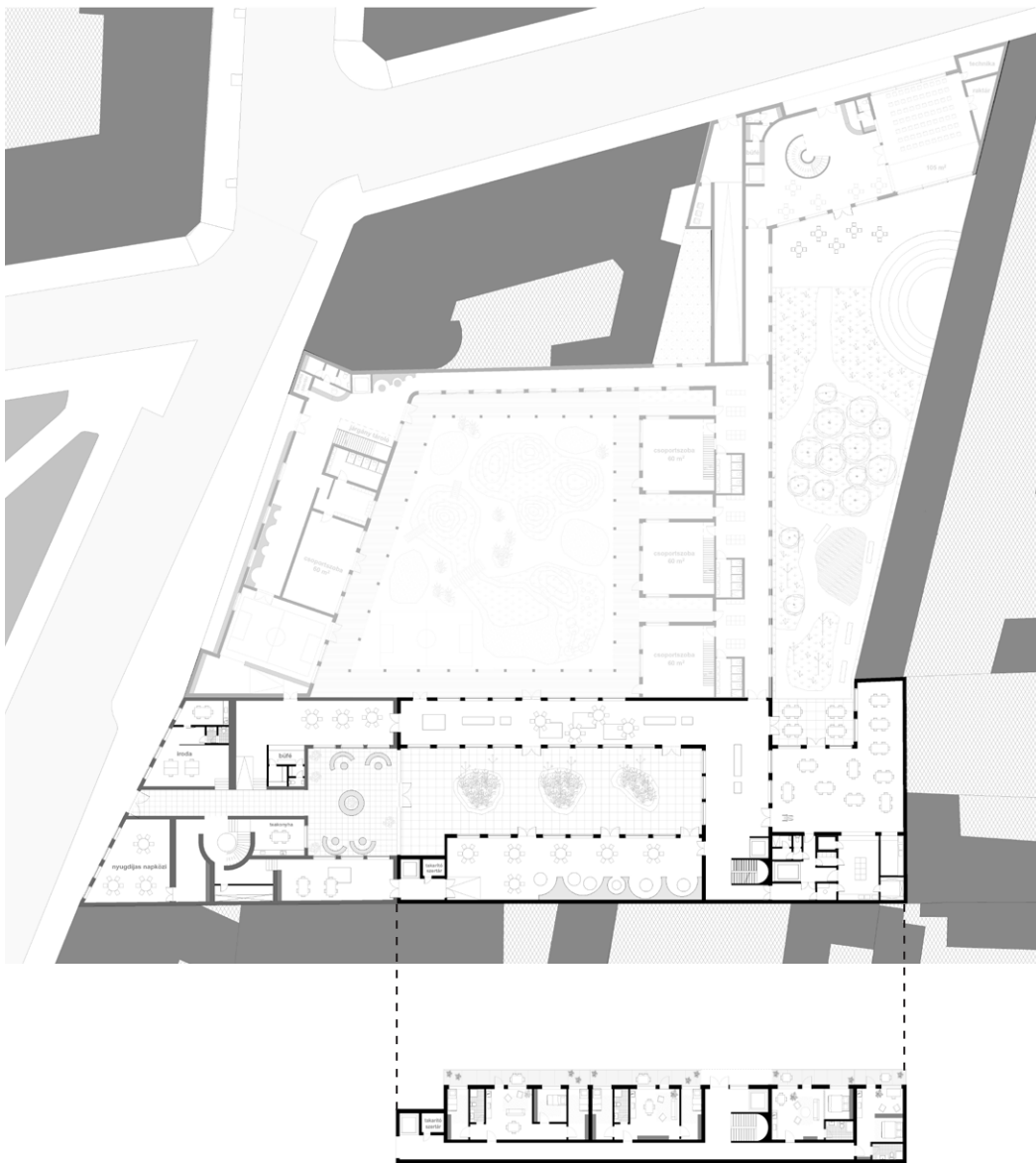
Year : 2022

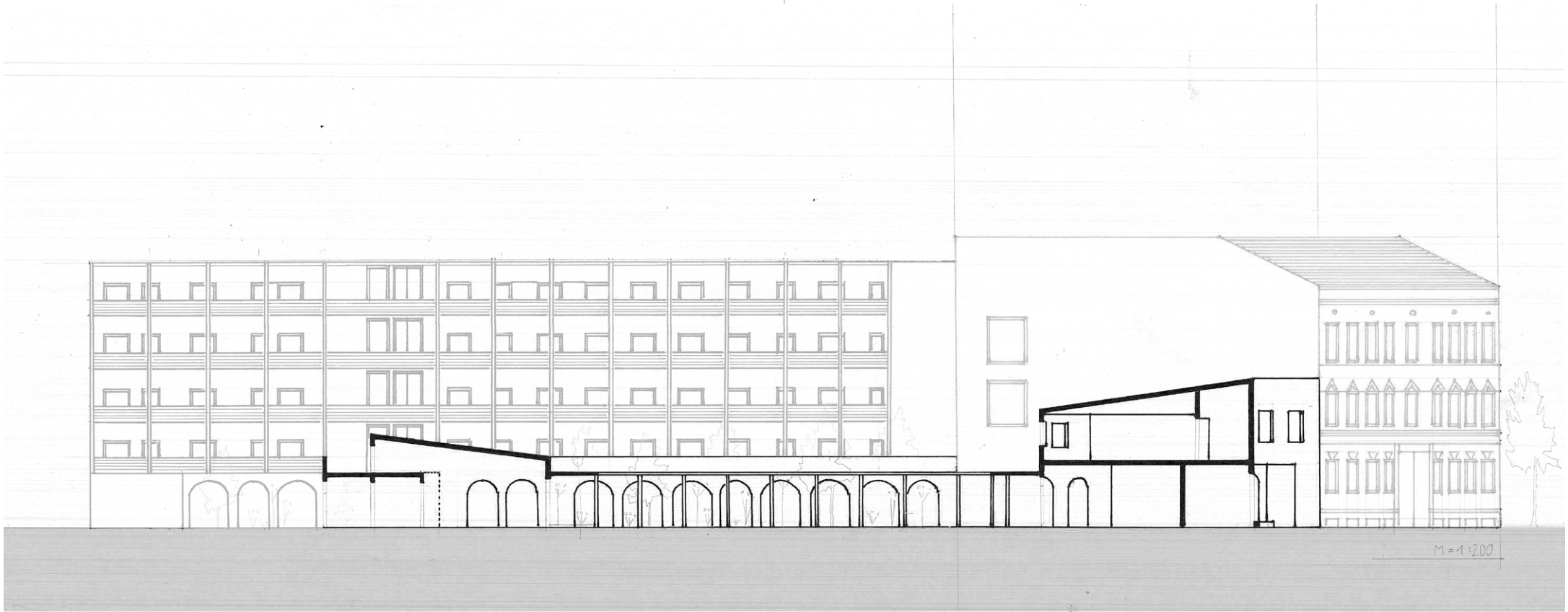
Location: Budapest, Hungary

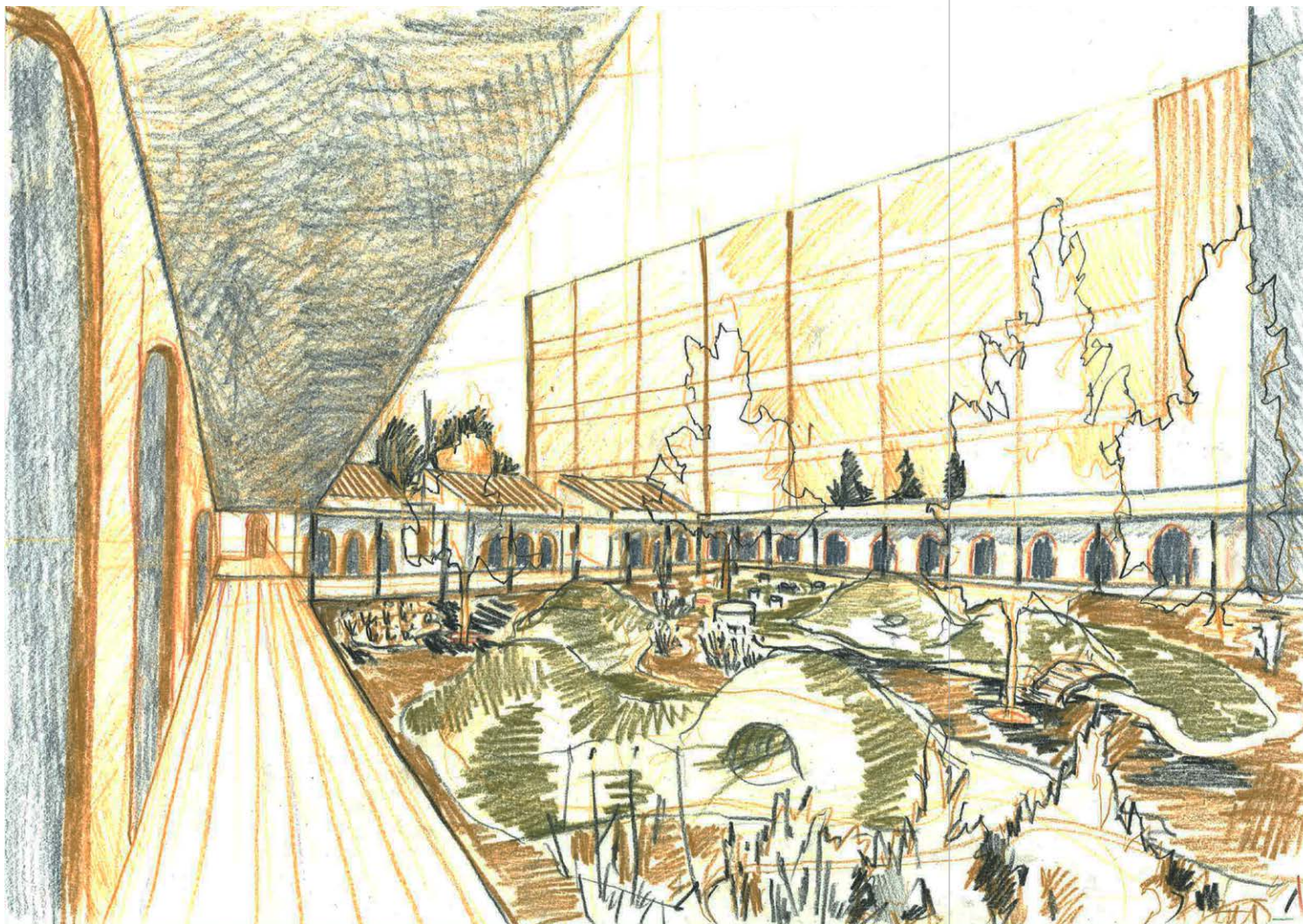
Consultants: Zsófia Csomay, Balázs Marián, architects











Kindergarden yard, view from the entrance

06

Cafe furniture

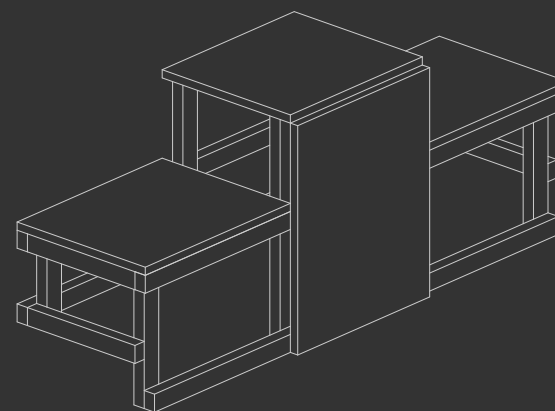
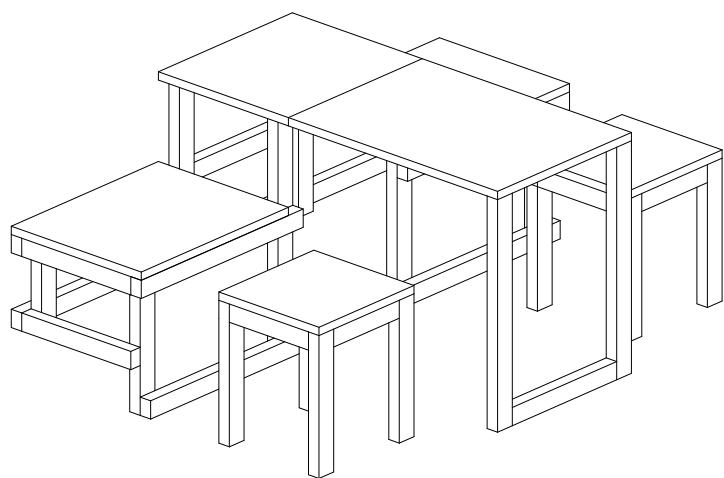
The Ne pazarolj zero waste shop and cafe was in the need of an outdoor seating for their guests, however located in the inner city of Budapest, they did not have many options. I was commissioned to design a terrace space with limited opportunities.

My concept was a foldable furniture piece that fits into the low window sill, with a raised table in the middle. The furniture is completed with two mobil stools, giving space to four people all together comfortably.

As the shop closes in the evening, the furniture is folded away into the window sill.

Year : 2021
Location: Budapest, Hungary





Wood fire kiln

The kiln was made as the smaller scale design project of my masters diploma together with a classmate of mine, Áron Páll. We both worked with clay besides architecture, and this project was an experiment to find overlays between the ideas of being aware of our surrounding materials as an architect, and the idea of being able to create our own objects as a human.

Our purpose was to design a kiln on the smaller scale, based on the principles of wood fire kilns, as they work the most effective when stacked to the brim with objects to fire, however they are usually large and there are not many of them in the country, therefore entrant potters lack opportunities to experiment with this technique.

Prior to the kiln we also looked into the possibilities of using natural, local clay from the ground of the area and after processing it, we fired the objects with a so called pit firing technique. In addition, while building the kiln, we made an attempt to use the surrounding vegetation as glaze to the objects and make ash glaze with them.

After the first firing attempt, we needed to make some adjustments on the kiln in order to fire the glaze properly, now the kiln is ready for further experiments with natural pottery.

Year : 2023

Location: Gyékényes, Hungary

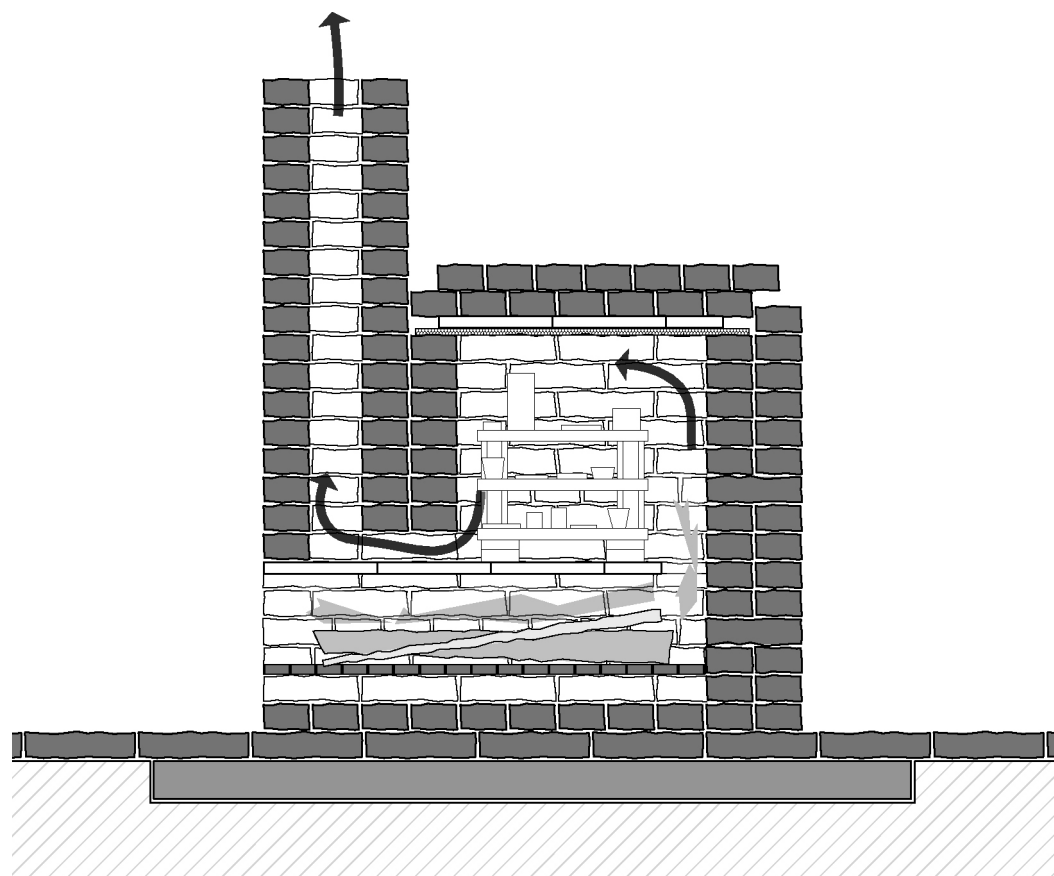
Design partner: Áron Páll, architect





Pit firing the natural local clay





07 Wood fire kiln - Gyékényes





Glazed objects from the first firing attempt

Architecture portfolio
Dorottya Zachar
2024